

SEQUENCE LISTING

<110> Novartis AG

<120> Compound Screening

<130> 4-32448A/NFI 8016

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 326

<212> PRT

<213> human T-lymphocytes

<400> 1

Met Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp
 1 5 10 15

Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr
 20 25 30

Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser
 35 40 45

Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly
 50 55 60

Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr
 65 70 75 80

Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala
 85 90 95

Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly
 100 105 110

Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg
 115 120 125

Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly
 130 135 140

Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala
 145 150 155 160

Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser
 165 170 175

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Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn
 180 185 190

Val Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly
 195 200 205

Gly Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly
 210 215 220

Val Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala
 225 230 235 240

Ser Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp
 245 250 255

Glu Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn
 260 265 270

Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly
 275 280 285

Phe Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser
 290 295 300

Leu Asn Gly Tyr Arg Leu Gly Asp Lys Ile Leu Gln Val Ser Phe Lys
 305 310 315 320

Thr Asn Lys Ser His Glu
 325

<210> 2
 <211> 325
 <212> PRT
 <213> human T-lymphocytes

<400> 2

Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp Ile
 1 5 10 15

Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln
 20 25 30

Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser Ala
 35 40 45

Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly Phe
 50 55 60

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Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr Leu
65 70 75 80

Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala Arg
85 90 95

Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly Leu
100 105 110

Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg Phe
115 120 125

Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly Leu
130 135 140

Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala Glu
145 150 155 160

Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser Glu
165 170 175

Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn Val
180 185 190

Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly Gly
195 200 205

Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly Val
210 215 220

Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala Ser
225 230 235 240

Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp Glu
245 250 255

Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn Val
260 265 270

Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly Phe
275 280 285

Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser Leu
290 295 300

Asn Gly Tyr Arg Leu Gly Asp Lys Ile Leu Gln Val Ser Phe Lys Thr
305 310 315 320

Asn Lys Ser His Glu
325

<210> 3
<211> 189
<212> PRT
<213> human T-lymphocytes

<400> 3

Met Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp
1 5 10 15

Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr
20 25 30

Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser
35 40 45

Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly
50 55 60

Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr
65 70 75 80

Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala
85 90 95

Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly
100 105 110

Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg
115 120 125

Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly
130 135 140

Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala
145 150 155 160

Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser
165 170 175

Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln
180 185

<210> 4
<211> 188
<212> PRT

<213> human T-lymphocytes

<400> 4

Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp Ile
 1 5 10 15

Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln
 20 25 30

Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser Ala
 35 40 45

Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly Phe
 50 55 60

Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr Leu
 65 70 75 80

Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala Arg
 85 90 95

Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly Leu
 100 105 110

Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg Phe
 115 120 125

Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly Leu
 130 135 140

Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala Glu
 145 150 155 160

Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser Glu
 165 170 175

Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln
 180 185